Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	05/10/2021 09:20 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	04/05/2021 10:33 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	12757	Expiration Date:	06/30/2022
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	123929	-1	3.24	123806	3.33
Blue	F	SSC	125000	123888	-1	5.20	124102	5.22
Blue	E	FITC	14400	13903	-4	3.52	320	15.61
Blue	D	PE	24713	24307	-2	3.20	556	10.86
Blue	B	PerCP-Cy5-5	31796	31508	-1	4.18	1049	14.51
Blue	A	PE-Cy7	21240	21477	1	6.00	579	28.79
Red	C	APC	41319	40967	-1	3.67	1716	11.61
Red	A	APC-Cy7	21019	20678	-2	4.01	778	11.79
Violet	B	V450	7305	7135	-3	4.60	452	12.74
Violet	A	V500	28652	27818	-3	4.22	701	10.49

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	22638	3.33	564	-5	N/A	N/A	Pass
Blue	F	SSC	57472	3.72	518	6	N/A	N/A	Pass
Blue	E	FITC	59	52.95	490	-1	0.0415	41	Pass
Blue	D	PE	116	37.51	488	1	0.4933	401	Pass
Blue	B	PerCP-Cy5-5	196	34.95	584	0	0.0207	67	Pass
Blue	A	PE-Cy7	116	66.09	631	1	0.0225	0	Pass
Red	C	APC	397	23.08	575	2	0.0269	67	Pass
Red	A	APC-Cy7	173	27.42	544	-1	0.0064	1058	Pass
Violet	B	V450	63	60.31	453	-3	0.0538	1942	Pass
Violet	A	V500	100	35.07	466	-4	0.0236	785	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.97 - 71.95	N/A	N/A	-32.19	-31.89	1.08
Blue	20.34	16.27 - 24.41	1.28	0.99 - 1.49	0.00	0.00	1.41
Red	21.52	15.99 - 23.99	N/A	N/A	30.14	30.49	1.19

Window Extension: 7.00
FSC Area Scaling Factor: 0.74

Threshold

Threshold (FSC): 10471

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments